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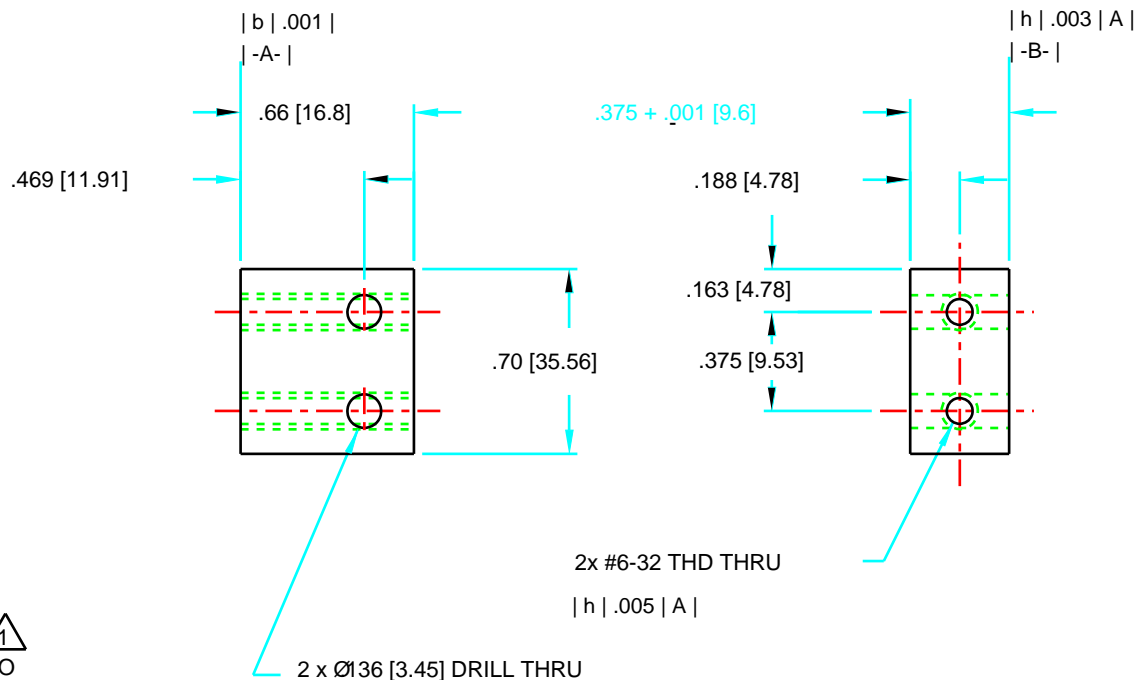
PLOT SCALE: 1=1

DWG. SCALE: 1

A2322801

NOTES:

1. THIS IS A ULTRA- HIGH VACUUM COMPONENT (UHV)
2. WHEN MACHINING VACUUM PARTS, USE SILICONE AND SULPHUR-BASED CUTTING FLUIDS IS PROHIBITED. USE ONE OF THE FOLLOWING:
 - A) CIMCOOL 5 STAR 49
 - B) TRIM SOL
3. THIS IS A UHV PART, ELECTROPOLISHING IS NEEDED.  PRIOR TO ELECTROPOLISHING, THE PART NEEDS TO GO THROUGH A MULTIPLE STEP CLEANING PROCESS INVOLVING DEGREASING, WASHING AND DRY NITROGEN BLOWDOWN.
4. KEEP THE PART CLEAN AND WRAP FOR UHV PACKING WITH ALUMINUM FOIL.
5. DIMENSIONS IN [] ARE MILLIMETERS AND FOR REF. ONLY
6. SURFACE ROUGHNESS 



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ITEM		DWG/PART NUMBER		NOMENCLATURE OR DESCRIPTION				MATERIAL / SPEC		QTY	
PARTS LIST											
UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES				LOG NUMBER		THIS DRAWING IS THE PROPERTY OF					
TOLERANCES				A2322801		ARGONNE NATIONAL LABORATORY					
DECIMALS				ANGULAR		<div>ADVANCED PHOTON SOURCE</div> <div>X1-83 CRYSTAL HOLDER FOR 3-ID-A KOHZU SPACER</div>					
.X - .03				- .25							
.XX - .01											
.XXX - .005											
SURFACE ROUGHNESS											
REMOVE ALL BURRS AND BREAK SHARP EDGES .03 MAX.				DRAWN BY		DATE		CHIEF DESIGN ENGINEER		DATE	
				J.GOGOL		8/25/95		D.SHU		8/31/95	
				CHECKED BY		DATE		GP LEADER		DATE	
				J.CHANG		8/31/95		T.M.KUZAY		8/31/95	
				DESIGNER		DATE		PROJECT MGR.			
				J.GOGOL		8/25/95		-			
				RESPONSIBLE ENGINEER		DATE		APPROVED/RELEASED			
				J.CHANG		8/31/95					
				MATERIAL				SCALE		SIZE	
				CARPENTER STEEL (39% NICKEL)				2:1		DRAWING NUMBER	
								SHEET 1 of 1		B	
										P4105091103-830006-01	